

Level 1 Validation Certificate

W S O

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 7/18/2018

Water Supplier

Supplier Name: Liberty Utilities – Apple Valley

Supplier Participants: Jeremy Caudell
Adam Ambrose

Key Audit Metrics

Data Validity Score: 62

ILI: 1.1

Real Loss: 28.9 gal / conn / day

Apparent Loss: 3.6 gal / conn / day

Non-Revenue Water as Percent
of Cost of Operating System: 8.4%

Validator

Validator: Kate Gasner,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: Liberty Utilities – Apple Valley

Water Supplier Public Water System ID: 3610003

Water Audit Period: 01/01/2017 – 12/31/2017

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

The majority of the 2016 Audit was performed by two individuals. For 2017 there were roundtable discussions with other departments to increase data accuracy and supporting docs. We are working on a strategy to increase data validity, real loss and apparent loss.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Antonio D. Penna Jr.

Executive Position: VP/General Manager

Signature:



Date: August 24, 2018